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REPORT OF THE CONCHOLOGICAL SECTION.

The Recorder of the Conchological Section respectfully reports that during 1877 papers have been accepted and published in the Proceedings of the Academy of Natural Sciences, aggregating 106 pages, by authors as follows:—

William H. Dall, 40 pages.	William M. Gabb, 51 pages.
Jas. Lewis, M.D. 11 “	T. A. Conrad, 4 “

During the year the Section has lost by death several of its most useful collaborators. Principal among these was our fellow-member Timothy A. Conrad, who, although not a regular attendant at our meetings, was actively engaged in furnishing papers and illustrations for the American Journal of Conchology from its commencement to its discontinuance. He also contributed to the Academy's Proceedings almost up to the time of his death, and always took great interest in our welfare.

We have also lost two valued correspondents, John G. Anthony, of Cambridge, Mass., and Dr. P. P. Carpenter, of Montreal, Canada.

Mr. Anthony was for many years interested in our fluviatile mollusca. He was a man of liberal ideas, and was ever ready to lend a helping hand to all seeking information, whether the beginner or the more advanced student.

Dr. Carpenter's specialty was the study of the marine mollusks of the West Coast of North America. Both were zealous contributors to our museum, our library, and our publications.

From the report of our Conservator we find that during the year ending Dec. 1st, 1877, 831 species, numbering 2923 specimens have been added to our collection. He says “among the most important of these accessions are:—

“1392 specimens of 355 species of California shells collected by Henry Hemphill, including many rare and minute forms mostly new to our collection, and all from authentic localities.

“243 specimens of 83 species of Polynesian mollusks and shells collected by the Godeffroy expeditions. Most of these are alcoholic specimens, and all are new to the collection. Both the above were purchased from moneys obtained by the sale of dupli-

cates from the collection of the late John S. Phillips, and his name has accordingly been placed on the labels as donor.

"Dr. Isaac Lea has generously given us his entire collection of Unionidæ in alcohol, comprising, in forty large jars, 912 specimens of 234 species. This collection is very valuable from the fact that it includes the types of nearly all the descriptions of the soft parts of Unionidæ described by Dr. Lea.

"The Liverpool Free Public Museum and Library has sent us 50 species, principally of *Oliva* and *Nassa*, including authentic specimens of a considerable number of the species described by Mr. F. P. Marrat, who has made the study of these genera a specialty."

The museum work for the year aggregates as follows:—

New additions	831	trays and labels,	2,923	specimens.
Completion of the arrangement of selections from the Phillips col- lection	449	"	1,531	"
The Robert Swift collection has been arranged as far as the end of the marine and fluviatile uni- valves	2831	"	10,883	"
Total	4111	"	15,337	"

The Section is again under great obligations to Mr. Charles F. Parker, who has carefully cleansed and mounted for us the whole of the above, principally during hours for which he is not compensated by the Academy as one of its curators. It is the donation to us of the labor of many days. Our collection now contains about 30,000 trays and 100,000 specimens. Your Conservator availed himself, during a visit to Europe the past summer, of an opportunity to institute a comparison between our Conchological cabinet and that of the British Museum in London, and gives the following figures as approximately correct.

The Academy's collection occupies about 2600 square feet in glass cases, and 2000 square feet arranged under glass in drawers, accessible to the public. Total, say 4600 square feet.

The British Museum collection is contained in 48 cases, about 4 x 7 feet each, say 1350 square feet in all. A conchologist familiar with this collection stated that it is principally contained in the glass cases, the exceptions being mostly among the land shells, of which many are in drawers. It would appear from these figures that our collection is at least double in size that

of the British Museum, which has usually been regarded as the largest conchological cabinet in the world.

The officers of the Section for 1878 are—

<i>Director</i>	.	.	.	W. S. W. Ruschenberger.
<i>Vice-Director</i>	.	.	.	William M. Gabb.
<i>Recorder</i>	.	.	.	S. Raymond Roberts.
<i>Secretary</i>	.	.	.	Rev. E. R. Beadle.
<i>Treasurer</i>	.	.	.	William L. Mactier.
<i>Librarian</i>	.	.	.	Edward J. Nolan.
<i>Conservator</i>	.	.	.	George W. Tryon, Jr.

Respectfully submitted,

S. RAYMOND ROBERTS,

Recorder.

The following are the additions to the Conchological Museum received during the year :—

Rev. E. R. Beadle. *Helix intorta*, Sowb., var. *Liguus flammea*,
L. picta, var. *Tapes æquilatera*.

A fine *Panopæa glycimeris* (dredged alive).

R. I. Betz. *Teredo navalis*, from Atlantic City, N. J.

Thomas Bland. A number of land and marine shells from the Bahamas, including *Helix Milleri*, *H. provisorio*, *Pupa Martensi*, *Cerithium septemstriatum*, *Egeta Floridana*, *Cryptogramma flexuosa*, etc.

Twelve species of *Bulimus*, etc., collected by A. Agassiz in Peru. Thirteen species of *Pupa*, *Realia*, etc., from Mauritius. Nine species fresh-water shells from Mexico.

T. M. Bryan. *Leucocheila marginata*, from Vincenttown, N. J.

W. W. Calkins. Thirteen species of marine shells from Florida and Bahamas.

H. C. Coates. A small collection of shells from the Cape of Good Hope.

W. Doherty. *Pupa Cincinnatiensis*, Judge, from Cincinnati, O. *Somatogyrus aureus*, Tryon, from Kentucky.

John Ford. *Triton Tranquebaricum*. Land and fresh water shells from the Bluff at Alton, Ills.

Wm. M. Gabb. Fifteen species of land and marine shells from St. Domingo. A large number of specimens of eleven species of land and marine shells from Turk's Island.

Mr. Holbrook. Number of specimens of *Mytilus edulis*.

Ernest Ingersoll. *Planorbis plexatus*, Ingersoll, from St. Mary's Lake, Colorado.

Isaac Lea. Forty jars of Unionidæ in alcohol, 257 species.

Joseph Leidy. Remarkable specimen of *Strombus gigas*.

Liverpool Free Public Museum and Library. Fifty species of marine shells. (In exchange.)

E. R. Mayo. Thirteen marine species from the Coast of Massachusetts.

H. W. Mitchell. *Mytilus latus*, Lam., from New Zealand.

Chas. C. Phillips. Eighty-three specimens of twenty-one species of marine and land shells from the Gaboon Coast, Western Africa.

John S. Phillips' Fund. Eleven species from various localities.

A California collection of 355 species, numerous specimens.

Eighty-three species, principally in alcohol, collected by the Godeffroy expeditions in Central Polynesia.

Rutgers College. Four species of marine shells from Japan. (Exchange.)

Mrs. Paul Shirley. Two fine specimens of *Oliva porphyria*.

D. B. Smith. *Cassia tuberosa*, Lam. Young.

A. A. Wright. *Hemifusus elongatus*, Lam., and *Pecten superbus*, Sowb.

REPORT OF THE CONSERVATOR OF ENTOMOLOGICAL SECTION.

The Recorder of the Entomological Section of the Academy takes pleasure in presenting to you a brief abstract of the transactions of the Section during the year just closing.

The Section at the present time numbers twenty-five members; no new members have been elected during the past year.

Nine monthly meetings have been held during the year, at which there has been an average attendance of seven members.

The meetings of the Section are held on the second Friday of each month, excepting in July and December.

Entomological papers intended for publication in the Transactions of the American Entomological Society are read at the meetings of the Section and referred to a publication committee, one